

DART
AEROSPACE
S024306



AS350 Cable Cutter System

PART NO:
Revision:
Operation:
Change No:

646.4001

Start up Operation

Mfg Date: 12/18/17
Job No: 167634-A

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K64 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

646.3811	5023708	1 ✓	10	0	0
646.3812	5023707	2 ✓	8	0	0
646.3813	5023705	1 ✓	7	0	0
646.3910	5023703	4 ✓	37	0	0
646.3911	5023701	1 ✓	15	0	0
646.3912	5023699	4 ✓	36	0	0
646.3913	5023698	1 ✓	33	0	0
646.9410	5023696	1 ✓	42	0	0
647.0112	5023691	2 ✓	207	0	0
647.7703	F157680X1	2 ✓	5	0	0
650.9201	5023690	2 ✓	13	0	0
AN3-11A	5023306	10 ✓	143	0	0
AN3-12A	5023305	2 ✓	119	0	0
AN3-13A	5023304	1 ✓	34	0	0
AN3-3A	5023303	4 ✓	59	0	0
AN3-4A	5023302	10 ✓	302	0	0
AN3-5A	5023301	2 ✓	185	0	0
AN3-6A	5023300	2 ✓	314	0	0
AN316C4R	5023297	2 ✓	32	0	0
AN44-5A	5023296	2 ✓	22	0	0
AN4C7A	5023151	2 ✓	179	0	0
AN665-34R	5023142	2 ✓	24	0	0
CCR264SS3-02	5023143	36 ✓	312	0	0
CR3213-5-3	5023141	14 ✓	25	0	0
MS20426AD5-7	5023021	2 ✓	1,314	0	0
MS20470AD5-5.5	5023020	8 ✓	541	0	0
MS20470AD5-6	5023019	8 ✓	419	0	0
MS20470AD5-7	5023018	3 ✓	260	0	0
MS21042L08	5023016	2 ✓	0	0	0
MS21042-3	5023015	2 ✓	39	0	0
MS21042L3	5023014	6 ✓	1,157	0	0
MS21042L4	5023014	2 ✓	792	0	0
MS21047-3	5023013	18 ✓	208	0	0
MS24693-C278	5023012	5 ✓	60	0	0
MS24694-S51	5023011	5 ✓	636	0	0
MS24694-S54	5023010	2 ✓	107	0	0
MS24694-S55	5022864	3 ✓	148	0	0
MS27039-08-13	5022863	2 ✓	183	0	0
MS27039-1-10	5022855	2 ✓	267	0	0
MS27039-1-12	F1113732011	6 ✓	95	0	0
MS27039-1-16	5022622X3	24 ✓	223	0	0
MS27039-1-19	5022607	22 ✓	390	0	0
MS27039-1-20	5022604	2 ✓	127	0	0
MS27039-1-21	5022602	4 ✓	87	0	0
NAS1149F0332P	5022600	144 ✓	2,930	0	0
NAS1149F0363P	5022597	2 ✓	153	0	0
NAS1149F0432P	5022593	4 ✓	919	0	0
NAS1149FN832P	5022581	4 ✓	4,366	0	0

1 x 5023708

F11137110.80

21 x 5023571

Part Specifications

Specifications could not be found.

REFERENCE ONLY

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NOTES:

1. AFTER INSTALLATION, APPLY F/N 54 A/R TO FILL GAPS AND FILLET EDGES.

2. INSTALL F/N 14 WITH F/N 52 & 53.

3. 3M VHB ADHESIVE TAPE .025" THICK X .50" WIDE
VENDOR: MCMaster-CARR P/N 75935A651.

4. 3M TAPE PRIMER 94, APPLY TO BOTH SURFACES A/R BEFORE TAPE.
VENDOR: R.S. HUGHES P/N 021200-24216.

5. REUSE FASTENERS FROM F/N 1.

6. USE WASHERS A/R AS SHIMS TO OBTAIN BEST FITMENT.

7. AT CUSTOMERS OPTION, INSTALL F/N 65 BY MATCH DRILLING ON TO F/N 1.

8. INSTALL SHIM IF OEM PROVISIONS ARE INSTALLED ON AIRCRAFT. REMOVE SHIM LAYERS TO ACHIEVE CORRECT SIZE. MATCH DRILL HOLES. USE F/N 78 SCREW IN PLACE OF F/N 17 SCREW.

9. NEWER INSTALLATIONS ON AIRCRAFT WITH UPDATED CANOPY MAY REQUIRE DIFFERENT LENGTH SCREWS. USE F/N 62 TO REPLACE F/N 44 & F/N 26 IN PLACE OF F/N 41 WHEN NECESSARY.

UNINCORPORATED ECN(S)

05304

5	5	5	78	601.3875	SCREW	UNINCORP				
1	1	1	77	646.9410	SHIM					
		4	76	601.2764	WASHER	NAS1149H82P				
		2	75	601.2973	LOCKNUT	MS21042-08				
		2	74	601.2988	SCREW	MS27039-0813				
		2	73	601.2943	LOCKNUT	MS21042-3				
		2	72	601.3128	NUT	AN316C4R				
		2	71	601.3209	LOCKNUT	MS21042-4				
		4	70	601.2638	WASHER	NAS1149H832P				
		2	69	601.2669	BOLT	AN4C7A				
		2	68	601.3119	CLEVIS	AN466-34P				
		2	67	601.3121	EYE BOLT	AN466-5A				
		2	66	650.9201	EYE BRACKET ASSY					
	REF	REF	65	647.5701	GPS MOUNT KIT					
			2	64	601.3151	WASHER	NAS1149H830P			
		2	63	601.2911	SCREW	MS24694553				
		24	62	601.2637	SCREW	MS27039-1-16				
2		2	61	601.2763	BOLT	AN3-12A				
		1	60	646.3913	SHIM					
		4	59	646.3912	SHIM					
		1	58	646.3911	SHIM					
		4	57	646.3910	SHIM					
		5	56	600.1013	PRIMER					
	8 FT	8 FT	55	600.0129	VHB TAPE					
	1	1	54	600.1012	SEALANT	PP-405 CLASS B				
		1	53	600.0991	MAGNOBOND 6398 PART B					
		1	52	600.0990	MAGNOBOND 6398 PART A					
6	10	10	51	601.2826	BOLT	AN3-11A				
		2	50	646.3814	WIPER BRACKET					
		2	49	601.2910	SCREW	MS27039-1-18				
	2	2	48	601.1365	SCREW	MS27039-1-10				
	2	2	47	646.3719	DOUBLER					
		2	46	646.3718	CUSTOM WASHER					
	1	1	45	646.3717	DOUBLER					
	22	22	44	601.1948	SCREW	MS27039-1-19				
	2	2	43	601.1952	SCREW	MS27039-1-20				
	4	4	42	601.1956	SCREW	MS27039-1-21				
4036	4005	4004	4003	4002	4001	FIND #	PART #	DESCRIPTION	MATL	SPEC.

REV.	DESCRIPTION	DATE	APPROVED
A	INCORPORATED ECN 0219, 0231, 02719 & 02745	02/08/2010	P. BRAVO
B	INCORPORATED ECN 0304, 03079 & 04731	11/04/2014	P. BRAVO
C	INCORPORATED ECN 0809	09/09/2015	P. BRAVO

		2	2	41	601.2829	SCREW	MS24694554
		2	2	40	601.2831	RIVET	MS20426ADS-7
		1	1	39	646.3716	GAUGE BRACKET	
		6	6	38	601.1953	SCREW	MS27039-1-12
	2		2	37	646.3715	STRUT DOUBLER	
2	2	2	2	36	601.2824	BOLT	AN3-5A
12	36		36	35	601.2277	RIVET	CCR445-3-02
6	18		18	34	600.0795	NUTPLATE	MS21047-3
3	3		3	33	601.2565	RIVET	MS20470ADS-7
1	1		1	32	646.3813	STRUT BRACKET	
4	4		4	31	601.2822	BOLT	AN3-3A
2	2		2	30	646.3812	GUSSET BRACKET	
8	8		8	29	601.2564	RIVET	MS20470ADS-6
1	1		1	28	646.3714	GUSSET	
	1	1	1	27	646.3610	FILLER	
3	3		3	26	601.2830	SCREW	MS24694555
2	2		2	25	601.2825	BOLT	AN3-6A
1	1		1	24	646.3811	RADIUS BLOCK	
	1	1	1	23	646.3712	CLIP	
	1	1	1	22	646.3711	CLIP	
8	8		8	21	601.2832	RIVET	MS20470ADS-5
14	14		14	20	601.2020	RIVET	CR3213-5-3
4	6	4	6	19	601.2823	BOLT	AN3-4A
1	1		1	18	601.2827	BOLT	AN3-13A
5	5		5	17	601.2912	SCREW	MS24694551
1	1		1	16	646.3713	GUSSET	
1	1		1	15	646.3210	SUPPORT	
	1		1	14	646.3710	DOUBLER	
1	1		1	13	646.3110	CHANNEL	
14	10	8	53	6	601.1624	LOCKNUT	MS21042-3
16	32	18	120	16	601.1607	WASHER	NAS1149H830P
				10	646.3410	LH WIPER DEFLECTOR	
				9	646.3411	RH WIPER DEFLECTOR	
		2	2	8	647.7703	STRUT ASSY	
		2	2	7	647.0112	STRUT BRACKET	
	1	1	1	6	646.3511	STRUT	
	1	1	1	5	646.3510	STRUT	
2	2		2	4	646.3810	BRACKET	
			1	3	646.2910	DEFLECTOR	
	1	1	1	2	646.3001	LOWER CUTTER ASSY	
			1	1	646.3301	UPPER CUTTER ASSY	
X					646.4006	CUTTER CUTTER FIBER PROVISIONS	
	X				646.4005	LOWER CUTTER REMOVABLE PROVISIONS	
					646.4004	FIXED PROVISIONS KIT	
		X			646.4003	CABLE CUTTERS KIT WITH-HOLD FIBER PROVISIONS	
			X		646.4002	AS350 WIPER DEFLECTOR KIT	
				X	646.4001	AS350 CABLE CUTTERS KIT	

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE: 08-27-08	
		DRAWN BY: P. BRAVO	
		CHECKED BY: P. BRAVO	
		DRAWING APPROVAL: P. BRAVO	
		CONTRACT NO.	
		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES	
		2 PLACE DECIMALS 0.00	
		3 PLACE DECIMALS 0.001	
		ANGLES: 1°	
		3030 ENTERPRISE CT., SUITE A, YOTA, CA. 92081 (760)-724-5300	
		APICAL INDUSTRIES, INC. DBA DART AEROSPACE	
		AS350 CABLE CUTTERS KIT	
		REV. C	
		SCALE: NONE	
		SHEET 1 OF 5	